

OPERATING ECONOMICS GUIDE
VARIABLE AND FIXED EXPENSES
AIRPLANE VERSUS ATC 610 FLIGHT SIMULATOR

Aircraft:	C172/ PA28-180	C182/ PA28-235	C210/ Lance BE35	ATC 610
Variable (Direct) Expenses				
Fuel @ \$1.15 gal.	9.5 gph \$11.02	13.4 gph \$15.55	17.0 gph \$19.72	Less than \$.01
Oil	.41	.52	.52	NA
Maintenance X.20	4.55	5.16	6.00	<u>Month*</u> Service contract \$134.50
Engine Overhaul	2.91	4.62	6.36	NA
Prop	.11	.37	.40	NA
Avionics	.45	.48	.57	NA
Total Per Hour	\$19.45	\$26.70	\$33.57	\$.01
Fixed Expenses				
Hanger	\$ 960 yr.	\$1020 yr.	\$1020 yr.	NA
Insurance	\$1380 yr.	\$1800 yr.	\$2540 yr.	\$ 81.00
Utilization Hrs./Year	400	400	350	200
Total Per Year	\$2040	\$2820	\$3540	\$215.50
Service Contract	\$5.10	\$7.05	\$8.85	\$134.50
TBO				
Engine	2000 hrs.	2000 hrs.	2000 hrs.	Unlimited
Prop	1000 hrs.	1000 hrs.	1000 hrs.	Unlimited
Pilot Productivity Time Lost*	\$24.00	\$34.00	\$40.00	NA

Total Realistic Cost of Operation	\$48.55	\$67.75	\$82.42	<u>\$1.08 hr.</u> Same as 1977
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*Pilot Productivity includes: Pre-flight, post-flight, driving to and from the airport, time lost in traffic jams, airport congestion, and having to fly distances to nav aids to practice. And of course, WEATHER!

Use this guideline with the figures for your own aircraft. How much will you be saving when you buy your ATC Flight Simulator?